County of Los Angeles
Sheriff's Department Headquarters
4700 Ramona Boulevard
Monterey Park, California 91754-2169
A Tradition of Service

JOHN L. SCOTT, SHERIFF

September 30, 2014

The Honorable Board of Supervisors
County of Los Angeles
383 Kenneth Hahn Hall of Administration
Los Angeles, California 90012

Dear Supervisors:

**APPROVE AMENDMENT NUMBER SIXTEEN TO AGREEMENT
NUMBER 74083 WITH 3M COGENT, INCORPORATED TO CONTINUE MAINTENANCE OF THE
AUTOMATED FINGERPRINT IDENTIFICATION SYSTEM
(ALL DISTRICTS) (3 VOTES)**

**CIO RECOMMENDATION: APPROVE (X) APPROVE WITH MODIFICATION ( )
DISAPPROVE ( )**

SUBJECT

The Los Angeles County Sheriff's Department (Department) is seeking the Board's approval of Amendment Number Sixteen (Amendment) to Agreement Number 74083 (Agreement) with 3M Cogent, Incorporated (3M). The Amendment will extend the term of the current Agreement for the continued maintenance and support of the County of Los Angeles (County) Automated Fingerprint Identification System (AFIS), and increase the Maximum Contract Sum.

IT IS RECOMMENDED THAT THE BOARD:

1. Approve and authorize the Sheriff, or his designee, to finalize and execute the Amendment to the Agreement with 3M for the provision of continued system maintenance of AFIS, substantially similar to the attached Amendment (Attachment II). The Amendment will: (1) extend the term of the Agreement for 2 years, from October 13, 2014, through October 12, 2016, with the option to extend the term for up to an additional 12 months in any increment at the County's discretion; (2) increase the Maximum Contract Sum by $5,081,738 from $35,285,542 to $40,367,280 for the continued system maintenance of AFIS, including hardware refresh; (3) eliminate the Professional Liability insurance requirement; and (4) add the County-mandated provisions regarding the Contractor Alert Reporting Database (CARD) and Time Off for Voting.

2. Delegate authority to the Sheriff, or his designee, to exercise extensions to the term of the Agreement for up to 12 months, and to terminate the Agreement earlier, in whole or in part, with 10 calendar days' advance written notice following the Department's completion of the transition and migration to a replacement system.

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION

Approval of the recommended action will allow the Department to maintain AFIS, while executing the replacement agreement, and completing implementation of the new replacement system. During this period, it is crucial that the existing AFIS receives continuous system maintenance and support until its replacement is fully implemented.

3M is the original system designer and hardware integrator of AFIS. The Amendment includes a one-time purchase (refresh) of system hardware to replace current hardware that has reached its "end-of-life," and is no longer cost-effective to maintain. Pursuant to the Agreement, 3M will configure and integrate the newly purchased system replacement hardware, and extend all original equipment manufacturer warranties and maintenance to the County, and provide maintenance and support services for all integrated proprietary 3M components. It is therefore in the County's best interest to acquire the replacement hardware from 3M, following approval of the Amendment. For purposes of efficiency, upon expiration of the Agreement, the Department intends to repurpose the replacement hardware acquired under this Amendment for use in the Department's data center and other applications.

Implementation of Strategic Plan Goals

The services provided under the proposed Amendment support the County's Strategic Plan, Goal 1, Operational Effectiveness/Fiscal Sustainability; and Goal 3, Integrated Services Delivery, by ensuring the Department is able to provide information on suspects in a responsive manner, while partnering with private organizations to provide the necessary expertise and equipment, and enhancing public safety by rapidly identifying suspects.

FISCAL IMPACT/FINANCING

The cost of the extended AFIS system maintenance and replacement hardware will be funded through the AFIS Fund (Number 41079). The Remote Access Network Board will continue appropriating funds for the Agreement in the AFIS account under the County's budget from the State of California (State), pursuant to California Government Code Section 76102 and/or California Vehicle Code Section 9215.19. There will be no net County costs incurred under this recommendation.

The cost of the proposed Amendment is $5,081,738 and is allocated as follows: (1) year-one totals $2,846,333, which includes $1,615,738 for replacement hardware and $1,230,596 for maintenance and support; (2) year-two totals $1,101,185 for system maintenance and support; and (3) year-three totals $1,134,220 for system maintenance and support. The Amendment will increase the Maximum Contract Sum under the Agreement from $35,285,542 to $40,367,280.

FACTS AND PROVISIONS/LEGAL REQUIREMENTS

In July 2002, the Board approved the Agreement with 3M to develop a replacement for AFIS to consolidate the Department's and Los Angeles Police Department's systems. The current system is

able to interface and access the State's, Department of Justice's AFIS in order to search fingerprint data, images, and to provide timely identification of all arrestees based on the captured crime scene fingerprint images. All system development and implementation work has been completed, and the Agreement is currently in the maintenance and support phase.

The proposed Amendment will extend the term of the Agreement for 2 additional years from October 13, 2014, through October 12, 2016, with an option to extend the term for up to an additional 12 months in any increment, at the County's discretion, and increase the Maximum Contract Sum by $5,081,738.

The Amendment also eliminates the requirement for 3M to maintain the Professional Liability Insurance. The County's Chief Executive Officer's Risk Management Branch concurs with the resultant removal of the Professional Liability Insurance provision from the Agreement.

On August 13, 2014, the Department provided the Board with advance notification of the Department's intent to enter into negotiations for a Sole Source Amendment to the Agreement. This Amendment is necessary for the continuation of system maintenance and support services by the system's developer (3M), while the Department completes the replacement of AFIS.

County Counsel will approve the Amendment as to form.

The Chief Information Officer (CIO) recommends approval of the Amendment to the Agreement (CIO Analysis attachment I).

IMPACT ON CURRENT SERVICES (OR PROJECTS)
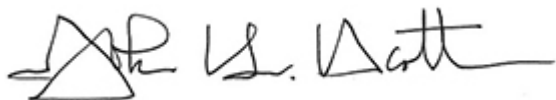
The continuous system maintenance on AFIS will allow law enforcement officials to use the system without any interruptions.

There will be no negative impact on current Department operations and services.

CONCLUSION

Upon Board approval, please return two adopted copies of this Board letter to the Department's Contracts Unit.

Sincerely,

JOHN L. SCOTT   RICHARD SANCHEZ
Sheriff   Chief Information Officer

JLS:IS:is

Enclosures

Office of the CIO
CIO Analysis

RICHARD SANCHEZ
CHIEF INFORMATION OFFICER

NUMBER:	DATE:
CA 14-21	8/30/14

SUBJECT:

APPROVE AMENDMENT NUMBER 16 TO AGREEMENT NUMBER 74083 WITH 3M COGENT, INC. TO CONTINUE MAINTENANCE OF THE AUTOMATED FINGERPRINT IDENTIFICATION SYSTEM

RECOMMENDATION:

☒ Approve   ☐ Approve with Modification   ☐ Disapprove

CONTRACT TYPE:

☐ New Contract   ☐ Sole Source
☒ Amendment 16 to Contract #: 74083   ☐ Other: Describe contract type.

CONTRACT COMPONENTS:

☐ Software   ☐ Hardware
☐ Telecommunications   ☒ Professional Services

SUMMARY:

Department Executive Sponsor: Sheriff John L. Scott

Description: The Sheriff's Department (Department) is requesting approval of Amendment Number 16 (Amendment) to Agreement Number 74083 (Agreement) with 3M Cogent, Inc. (Cogent) for a fingerprint and palm print identification system for the Department's Los Angeles County Regional Identification System (LACRIS) Unit.

Contract Amount: $5,081,738   **Funding Source:** Remote Access Network (RAN) Technical Advisory Committee/ Automated Fingerprint Identification System (AFIS)

☐ Legislative or Regulatory Mandate   ☒ Subvened/AFIS: 100%

Strategic and Business Analysis	PROJECT GOALS AND OBJECTIVES:
	Approval of this proposed Amendment will provide for continued maintenance and support for Los Angeles Fingerprint Identification System (LAFIS) while the Department finalizes the negotiations with a new vendor to replace the existing LAFIS.
	BUSINESS DRIVERS:
	LACRIS is the body responsible for biometric identification services for all law enforcement agencies in the County. LACRIS is managed by the Department with oversight, direction, and funding authorization by RAN Technical Advisory Committee. LACRIS is the authoritative source for providing fingerprint identification for all law enforcement agencies in the County of Los Angeles (County).
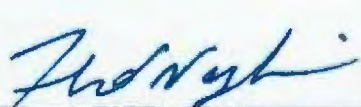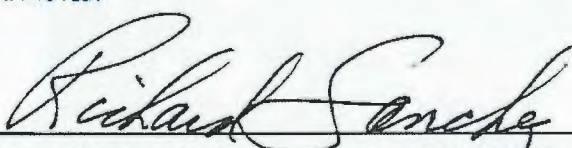
	PROJECT ORGANIZATION: The Department's LACRIS Unit is driving this Project programmatically. The Project has a dedicated Lieutenant assigned as the Local Cal-ID Project Manager who will be managing the ongoing operation of this Project.
	PERFORMANCE METRICS: The Amendment includes a Service Level Agreement identifying metrics for the application management and software maintenance, including software maintenance, technical support, and disaster recovery services.
	STRATEGIC AND BUSINESS ALIGNMENT: The services provided under this Amendment, support the County's Strategic Plan Goal 1, Operational Effectiveness; and Goal 5, Public Safety, by ensuring the Department provides information on suspects in a responsive manner.
	PROJECT APPROACH: Cogent has been the sole provider of maintenance and support services for their proprietary System since 2002. The Agreement allows the Department to continue to receive uninterrupted maintenance and support services of its existing System for the LACRIS Unit. The additional support years will provide sufficient time for implementation of a new Multimodal Biometric Identification System (MBIS) to replace LAFIS.
	ALTERNATIVES ANALYZED: In July 2002, the County entered into an Agreement with Cogent to develop a new replacement for AFIS, consolidating the Sheriff and Los Angeles Police Department Systems. A Request for Proposal (RFP) was released on July 30, 2013, and the County is currently in negotiations with a vendor for a new MBIS.
Technical Analysis	**ANALYSIS OF PROPOSED IT SOLUTION:** The Automated Fingerprint and Palmprint Identification System algorithm is proprietary, however, the images are saved in a National Institute of Standards and Technology (NIST) format which can be migrated to the new MBIS. The Department established disaster recovery capabilities for LAFIS that currently resides at the Department's Data Center in Norwalk and a secondary set of AFIS hardware and software, as well as immediate and fully automated fail-over capabilities at the Cogent site in Pasadena. The extension includes installation and services for upgrading Primary and Secondary data center storage and servers which is included in the first year's maintenance. The installation timeline is described in the Amendment. The servers will be owned by the County and upon termination of the Agreement, the Department will reallocate the equipment for other projects, as needed.

Financial Analysis	BUDGET:
	
	Amendment costs
	
	    Year-1.. $ 2,846,333[1]
	    Year-2.. $ 1,101,185
	    Year-3.. $ 1,134,220
	          Total Cost of Amendment: ....$ 5,081,738
	
	[1] Includes $1,615,737.50 for services to upgrade servers at primary and secondary data center. Scope-of-Work and timeline will be described in the Amendment. The servers and equipment will be owned by the County and upon termination of the Agreement, the Department will reallocate the equipment for other projects, as needed.
	
	NOTE: Total Agreement cost for maintenance and support since 2002 is $35,285,542.

Risk Analysis	RISK MITIGATION: 1. There are minimal risks to this proposed Amendment for continued support and maintenance. The Amendment will provide support and maintenance only, therefore, County Risk Management concurs with the removal of Professional Liability Insurance from the Agreement. 2. The Chief Information Security Officer (CISO) reviewed the Amendment and did not identify any security risks or issues.
CIO Approval	PREPARED BY: _____ 9-18-14 Fred Nazarbegian, Sr. Associate CIO Date APPROVED: _____ 9/18/14 Richard Sanchez, County Chief Information Officer Date

Please contact the Office of the CIO (213.253.5600 or info@cio.lacounty.gov) for questions concerning this CIO Analysis. This document is also available online at http://ciointranet.lacounty.gov/

AMENDMENT NUMBER SIXTEEN TO AGREEMENT NO. 74083
BY AND BETWEEN COUNTY OF LOS ANGELES
AND 3M COGENT, INC.
FOR THE PROVISION OF THE LOS ANGELES COUNTY AUTOMATED
FINGERPRINT IDENTIFICATION SYSTEM

This Amendment Number Sixteen (hereinafter "Amendment") to Agreement Number 74083 (hereinafter "Agreement") is entered into by and between County of Los Angeles (hereinafter "County") and 3M Cogent, Inc. (hereinafter "Contractor"), a Delaware corporation, effective on October 13, 2014.

A.   WHEREAS, on July 23, 2002, County and Cogent Systems, Inc. entered into the Agreement for the development, hardware purchase and installation, and maintenance of an Automated Fingerprint Identification System ("AFIS"); and

B.   WHEREAS, on August 30, 2010, Cogent Inc. (Formerly known as Cogent Systems Inc.) entered into an agreement and plan of merger with 3M Company, a Delaware corporation ("3M"), whereby Cogent, Inc., would be merged into a subsidiary of 3M (the "Merger"); and upon consummation of the Merger, Cogent, Inc., was the surviving entity as a wholly owned subsidiary of 3M, and its name was changed to 3M Cogent, Inc.; and

C.   WHEREAS, on October 4, 2011, County and Contractor entered into Amendment Number Twelve to the Agreement to (1) extend the term of the Agreement for two (2) additional years from October 13, 2011, through October 12, 2013, with an option to extend for up to an additional period of twelve (12) months; and (2) increase the Maximum Contract Amount by $2,954,243, which is now $35,285,542; and

D.   WHEREAS, on October 2, 2013, County and Contractor entered into Amendment Number Fifteen to the Agreement to extend the term of the Agreement for its final twelve-month option from October 13, 2013 through October 12, 2014; and

E.   WHEREAS, the Agreement currently expires on October 12, 2014; and

F.   WHEREAS, County and Contractor now wish to further amend the Agreement to (1) extend the term of the Agreement, (2) increase the Maximum Contract Amount, upon the terms and conditions set forth in this Amendment, (3) remove Professional Liability insurance requirement from the Agreement, (4) add the County-mandated language regarding (a) Contractor Alert Reporting Database (CARD), and (b) Time Off for Voting, and (5) update the County-mandated language regarding Consideration of Hiring Gain/Grow Participants.

**AMENDMENT NUMBER SIXTEEN TO AGREEMENT NO. 74083
BY AND BETWEEN COUNTY OF LOS ANGELES
AND 3M COGENT, INC.
FOR THE PROVISION OF THE LOS ANGELES COUNTY AUTOMATED
FINGERPRINT IDENTIFICATION SYSTEM**

NOW THEREFORE, in consideration of the mutual covenants herein, and for good and valuable consideration, County and Contractor hereby agree to amend the Agreement as follows:

1.   Section 11 (Maximum Contract Amount and Rates and Charges), Subsection 11.1 (General), of the Agreement is hereby amended as follows to update the Maximum Contract Amount:

   1.1   The dollar amount set forth in the introductory paragraph of Subsection 11.1 (General) is amended to add $5,081,738 to the Maximum Contract Amount, which shall now be Forty Million, Three Hundred Sixty-Seven Thousand, Two Hundred Eighty dollars ($40,367,280).

   1.2   The dollar amount set forth in Subsection 11.1(D) related to Maintenance Services is amended to add $5,081,738 to such amount, which shall now be Eleven Million, Three Hundred Thousand, One Hundred Eighty-One dollars ($11,300,181).

2.   Section 12 (Invoices and Payments) of the Agreement is hereby amended to add a new Subsection 12.9 (Payment Schedule) at the end thereof to read as follows:

   12.9   Payment Schedule: Notwithstanding anything to the contrary contained in this Agreement, the payment schedule for maintenance and support of the system hardware and software pursuant to Amendment Number Sixteen shall be as set forth in Attachment 6 (Annual Maintenance Payment Schedule) to Exhibit B (Schedule of Rates and Fees).

3.   Section 22 (Insurance), Subsection 22.2.2 of the Agreement is deleted in its entirety.

4.   Section 29 (Term) of the Agreement is deleted in its entirety and replaced as follows to (1) extend the Term of the Agreement through October 12, 2016, and (2) add the County-mandated language regarding CARD:

   29.   TERM

   29.1   The Term of this Agreement shall be from July 23, 2002 through October 12, 2016 (the "Term"), unless extended, in whole or in part, as provided herein.

**AMENDMENT NUMBER SIXTEEN TO AGREEMENT NO. 74083
BY AND BETWEEN COUNTY OF LOS ANGELES
AND 3M COGENT, INC.
FOR THE PROVISION OF THE LOS ANGELES COUNTY AUTOMATED
FINGERPRINT IDENTIFICATION SYSTEM**

29.2 The County has the option, at the Sheriff's discretion and upon notice prior to the end of the Term, to extend the Agreement for an additional period of twelve (12) months in any increment (an "Option Term"). Any such extension shall be in the form of a written Amendment executed by the Sheriff and Contractor. Notwithstanding the above, the Sheriff or his designee may terminate the Agreement earlier, in whole or in part, with ten (10) days advance written notice to Contractor.

29.3 The County maintains databases that track/monitor contractor performance history. Information entered into such databases may be used for a variety of purposes, including determining whether County will exercise an Option Term extension of the Agreement.

29.4 <u>Transfer Function</u>: Upon expiration or termination of this Agreement for any reason, with cause or without cause, Contractor shall be responsible for the smooth transition of the System and Services to a third party.

5. Section 51 (Consideration of GAIN Program Participants for Employment) of the Agreement is deleted in its entirety and replaced as follows to update the County-mandated language:

51. <u>CONSIDERATION OF HIRING GAIN/GROW PARTICIPANTS</u>

Should the Contractor require additional or replacement personnel after the effective date of this Agreement, the Contractor shall give consideration for any such employment openings to participants in the County's Department of Public Social Services Greater Avenues for Independence (GAIN) Program or General Relief Opportunity for Work (GROW) Program who meet the Contractor's minimum qualifications for the open position. For this purpose, consideration shall mean that the Contractor will interview qualified candidates. The County will refer GAIN/GROW participants by job category to the Contractor. Contractors shall report all job openings with job requirements to <u>GAINGROW@dpss.lacounty.gov</u> to obtain a list of qualified GAIN/GROW job candidates. In the event that both laid-off County employees and GAIN/GROW participants are available for hiring, County employees shall be given first priority.

**AMENDMENT NUMBER SIXTEEN TO AGREEMENT NO. 74083
BY AND BETWEEN COUNTY OF LOS ANGELES
AND 3M COGENT, INC.
FOR THE PROVISION OF THE LOS ANGELES COUNTY AUTOMATED
FINGERPRINT IDENTIFICATION SYSTEM**

6. Section 62 (Time Off for Voting) is added to the Agreement as follows:

    62. <u>TIME OFF FOR VOTING</u>

    Contractor shall notify its employees, and shall require each subcontractor to notify and provide to its employees, information regarding the time off for voting law (California Elections Code Section 14000). Not less than ten (10) calendar days before every statewide election, every Contractor and subcontractor shall keep posted conspicuously at the place of work, if practicable, or elsewhere where it can be seen as employees come or go to their place of work, a notice setting forth the provisions of Section 14000.

7. Exhibit B (Schedule of Rates and Fees) of the Agreement is hereby supplemented to add thereto Attachment 6 (Annual Maintenance Payment Schedule), a true and correct copy of which is attached hereto and incorporated herein by this reference.

8. Except as expressly provided in this Amendment, all other terms, covenants, and conditions of the Agreement shall remain the same and in full force and effect.

9. Contractor represents and warrants that the person executing this Amendment Number Sixteen for Contractor is an authorized agent who has actual authority to bind Contractor to each and every item, condition, and obligation of the Amendment and that all requirements of Contractor have been fulfilled to provide such actual authority.

**AMENDMENT NUMBER SIXTEEN TO AGREEMENT NO. 74083
BY AND BETWEEN COUNTY OF LOS ANGELES
AND 3M COGENT, INC.
FOR THE PROVISION OF THE LOS ANGELES COUNTY AUTOMATED
FINGERPRINT IDENTIFICATION SYSTEM**

IN WITNESS WHEREOF, County and Contractor by their duly authorized signatures have caused this Agreement to be effective on the day, month and year first above written.

COUNTY OF LOS ANGELES
LOS ANGELES COUNTY SHERIFF'S DEPARTMENT

By: _____

3M COGENT, INC.

By: _____
      Michael Hollowich

Title: __Project Director___

Date: _____

APPROVED AS TO FORM:
RICHARD D. WEISS
Acting County Counsel

By: _____
    Michele Jackson
    Senior Deputy County Counsel

ATTACHMENT II

ANNUAL MAINTENANCE PAYMENT SCHEDULE

Year One

Period Start	Period End	Payment	Notes
13-Oct-14	12-Jan-15	$ 711,583.25	Hardware replacement* & support
13-Jan-15	12-Apr-15	$ 711,583.25	Hardware replacement* & support
13-Apr-15	12-Jul-15	$ 711,583.25	Hardware replacement* & support
13-Jul-15	12-Oct-15	$ 711,583.25	Hardware replacement* & support
	Total	$ 2,846,333.00	

Year Two

Period Start	Period End	Payment	Notes
13-Oct-15	12-Jan-16	$ 275,296.25	Support
13-Jan-16	12-Apr-16	$ 275,296.25	Support
13-Apr-16	12-Jul-16	$ 275,296.25	Support
13-Jul-16	12-Oct-16	$ 275,296.25	Support
	Total	$ 1,101,185.00	

Option Year One

Period Start	Period End	Payment	Notes
13-Oct-16	12-Jan-17	$ 283,555.00	Support
13-Jan-17	12-Apr-17	$ 283,555.00	Support
13-Apr-17	12-Jul-17	$ 283,555.00	Support
13-Jul-17	12-Oct-17	$ 283,555.00	Support
	Total	$ 1,134,220.00	

Year One	$	2,846,333.00
Year Two	$	1,101,185.00
Option Year One	$	1,134,220.00
Total	$	5,081,738.00

*Hardware replacement shall be completed within 120 days of Amendment Number Sixteen effective date; refer to Addenda A, B, and C of this Attachment 6 to Exhibit B (Schedule of Rates and Fees).

Site	Component	Item	Mfg	Version / Description	Qty
Primary		Core	IBM	IBM Power 730 Express Server 2x Power7+ / 4.3GHz 4-Core CPU (w/	2
Primary		+RAM	Intel	8GB (2X4GB) MEMORY DIMMS, 1066 MHZ, 2GB DDR3 DRAM	16
Primary		+Riser Card	IBM	MEMORY RISER CARD	6
Primary		+HD	IBM	600GB 10K RPM SAS SFF DISK DRIVE (AIX/LINUX)	4
Primary		+Storage	IBM	STORAGE BACKPLANE -- 3 SFF DRIVES/SATA DVD/HH TAPE	2
Primary		+Power	IBM	Redundant Power Option (1925W)	4
Primary		+Ethernet	IBM	PCIE2 LP 4-PORT 1GBE ADAPTR	4
Primary		+Fiber	IBM	4 Gigabit PCI Express Dual Port Fibre Channel Adapter	4
Primary	AFIS Server (Clustered) 2U	+CD/DVD	IBM	DVD-RAM Drive	2
Primary		+Software	Zabbix	Core 2.x License	1
Primary		+AntiVirus	Sophos	Sophos Endpoint Protection Advanced (3-year, 1-user, and 200-499 licenses)	2
Primary		+Database	Oracle	Oracle 11g Standard Edition	2
Primary		+OS	IBM	PowerHA STANDARD ED 3YR REG	2
Primary		+OS	IBM	PER PROC SM 3 YEAR REG	16
Primary		+OS	IBM	PER PROC SM 3 YEAR 7X24	16
Primary		+OS	IBM	SYSTEM PROGRAM ORDER	2
Primary		+OS	IBM	MEDIA CHARGE	2
Primary		+OS	IBM	AIX STANDARD EDITION V7.1	2
Primary		+OS	IBM	AIX SEITION V7.1 PP SM US	16
Primary		+OS	IBM	POWERHA SYSMIRROR STD ED V7	2
Primary		+OS	IBM	POHA SYSMIRROR PPRC INC 1YSWMA	16
Primary		+OS	IBM	SW MAINTENANCE FOR AIX,3 YEARS	2
Primary		+OS	IBM	PER PROC SM P7 3 YR REG	16
Primary		+OS	IBM	PER PROC SM P7 3 YR 7X24	16
Primary		+Software	Zabbix	Zabbix client	2
Primary		Core	IBM	X3650 M4 (7915) 4C/2.4GHz - E5-2609, 10MB Cache w/ 8GB RAM	2
Primary		+CPU	Intel	E5-2609 4C/2.4GHz Processor Upgrade	2
Primary		Total RAM	IBM	16GB (1X16GB) DDR3-1333 DIMM	12

Group	Type	Component	Vendor	Description	Qty
Primary Matcher (2/4/10 CR) TP	Primary	+HD	IBM	IBM 300GB SSD	4
	Primary	+HD	IBM	IBM 300GB 15K 6GBPS SAS 2.5" SLIM SFF HD	4
	Primary	+Riser Card	IBM	PCIX Riser Card 1 (1 x16 FH/HL PCIe + 2 PCIX FH/FL Slots)	2
	Primary	+Power	IBM	IBM 550W Power Supply	4
	Primary	+OS	Novell	SLES	2
	Primary	+AntiVirus	Sophos	Sophos Endpoint Protection Advanced (3-year, 1-user, and 200-499 licenses)	2
	Primary	+Software	Zabbix	Zabbix client	2
	Primary	+Warranty	IBM	IBM 3yr 24x7x4	2
Primary Matcher (LT|PL|R|F|PP)	Primary	Core	IBM	X3650 M4 (7915) 4C/2.4GHz - E5-2609, 10MB Cache w/ 8GB RAM	4
	Primary	+CPU	Intel	E5-2609 4C/2.4GHz Processor Upgrade	4
	Primary	Total RAM	IBM	16GB (1X16GB) DDR3-1333 DIMM	32
	Primary	+HD	IBM	IBM 300GB SSD	8
	Primary	+HD	IBM	IBM 300GB 15K 6GBPS SAS 2.5" SLIM SFF HD	8
	Primary	+Riser Card	IBM	PCIX Riser Card 1 (1 x16 FH/HL PCIe + 2 PCIX FH/FL Slots)	4
	Primary	+Power	IBM	IBM 550W Power Supply	8
	Primary	+OS	Novell	SLES	4
	Primary	+AntiVirus	Sophos	Sophos Endpoint Protection Advanced (3-year, 1-user, and 200-499 licenses)	2
	Primary	+Software	Zabbix	Zabbix client	4
	Primary	+Warranty	IBM	IBM 3yr 24x7x4	4
Blade Chassis	Primary	Core	IBM	BLADE CENTER H	1
	Primary	+Power	IBM	IBM BLADECENTER H 2980W AC POWER MODULE W/FAN PACK	1
	Primary	+Network	IBM	Cisco Catalyst Switch Module 3110G for IBM BladeCenter	1
	Primary	+Network	IBM	MULTI-SWITCH INTERCONMODULE BC	1
	Primary	+Network	IBM	BNT LAYER 2/3COPP.GBE SW.MODBC	1
	Primary	+Network	IBM	BROCADE 10-PORT 8GB SAN SWITCH MODULE FOR IBM BLADECENTER	1
	Primary	+Network	IBM	BROCADE 8GB SFP+ SW OPTICAL TRANSCEIVER	2

	Type	Vendor	Description	Qty
Primary	+Network	IBM	IBM BladeCenter KVM/Advanced Management Module	1
Primary	+Power	IBM	Enhanced Cooling Modules	1
Primary	+CD/DVD	IBM	IBM UltraSlim Enhanced SATA Multi-Burner	1
Primary	+Cable	IBM	2.8M, 200-240V, TRIPLE 16A IEC 320-C20 POWER CABLE	2
Primary	+Cable	IBM	5M FIBER OPTIC CABLE LC-LC	2
Primary	+Warranty	IBM	IBM 3yr 24x7x4	1
Primary (Secondary Matcher Blade)	Core	IBM	IBM BLADECENTER HS23 Xeon E5-2630 6C 2.3GHz 15MB Cache	6
Primary	+CPU	Intel	2nd Xeon E5-2630 6C 2.3GHz 15MB Cache processor upgrade	6
Primary	+RAM	IBM	8GB (1x8GB) DDR3-1600 DIMM	12
Primary	+Network	IBM	2x1Gbit Ethernet ports 2x10Gbit FC ports	6
Primary	+Network	IBM	ETHERNET CONNECTIVITY	6
Primary	+HD	IBM	IBM 146GB 15K 6GBPS SAS 3.5" HD OPTION	12
Primary	+OS	CentOS	CentOS	6
Primary	+AntiVirus	Sophos	Sophos Endpoint Protection Advanced (3-year, 1-user, and 200-499 licenses)	2
Primary	+Software	Zabbix	Zabbix client	6
Primary	+Warranty	IBM	IBM 3yr 24x7x4	6
Primary (Workflow Server Blade)	Core	IBM	IBM BLADECENTER HS23 Xeon E5-2630 6C 2.3GHz 15MB Cache	2
Primary	+CPU	Intel	2nd Xeon E5-2630 6C 2.3GHz 15MB Cache processor upgrade	2
Primary	+RAM	IBM	8GB (1X8GB) DDR3-1333 DIMM	8
Primary	+Network	IBM	2x1Gbit Ethernet ports 2x10Gbit FC ports	2
Primary	+Network	IBM	ETHERNET CONNECTIVITY	2
Primary	+HD	IBM	IBM 300GB 15K 6GBPS SAS 2.5" HD	4
Primary	+Fiber	IBM	QLOGIC 4GB FC CH. EXP CARD	4
Primary	+Database	Oracle	11g RDMS Client License	2
Primary	+OS	CentOS	CentOS	2
Primary	+AntiVirus	Sophos	Sophos Endpoint Protection Advanced (3-year, 1-user, and 200-499 licenses)	2
Primary	+Software	Zabbix	Zabbix client	2
Primary	+Warranty	IBM	IBM 3yr 24x7x4	2

ADDENDUM A

	Component	Item	Vendor	Description	Qty
Image Encoder Blade					
Primary		Core	IBM	IBM BLADECENTER HS23 Xeon E5-2609 4C 2.4GHz 10MB Cache	2
Primary		+CPU	Intel	2nd Xeon E5-2609 4C 2.4GHz 10MB Cache processor upgrade	2
Primary		+RAM	IBM	8GB (1x8GB) DDR3-1600 DIMM	4
Primary		+Network	IBM	2x1Gbit Ethernet ports 2x10Gbit FC ports	2
Primary		+Network	IBM	ETHERNET CONNECTIVITY	2
Primary		+HD	IBM	IBM 300GB 15K 6GBPS SAS 2.5" HD OPTION	4
Primary		+OS	CentOS	CentOS	2
Primary		+AntiVirus	Sophos	Sophos Endpoint Protection Advanced (3-year, 1-user, and 200-499 licenses)	2
Primary		+Software	Zabbix	Zabbix client	2
Primary		+Warranty	IBM	IBM 3yr 24x7x4	2
Web/Interface Server Blade					
Primary		Core	IBM	IBM BLADECENTER HS23 Xeon E5-2609 4C 2.4GHz 10MB Cache	2
Primary		+CPU	Intel	2nd Xeon E5-2609 4C 2.4GHz 10MB Cache processor upgrade	2
Primary		+RAM	IBM	8GB (1X8GB) DDR3-1333 DIMM	8
Primary		+Network	IBM	2x1Gbit Ethernet ports 2x10Gbit FC ports	2
Primary		+Network	IBM	ETHERNET CONNECTIVITY	2
Primary		+HD	IBM	IBM 300GB 15K 6GBPS SAS 2.5" HD	4
Primary		+AntiVirus	Symantec	Symantec Endpoint Protection v12.1.2 (w/ 1-year Essential Support - 100 Seats)	2
Primary		+Software	Apache	Apache Web Server	2
Primary		+Software	Microsoft	Web Server (IIS)	2
Primary		+OS	Microsoft	Windows Server Standard 2012	2
Primary		+Software	Zabbix	Zabbix client	2
Primary		+Warranty	IBM	IBM 3yr 24x7x4	2
Email Server (Clustered)					
Primary		Core	IBM	IBM BLADECENTER HS23 Xeon E5-2609 4C 2.4GHz 10MB Cache	2
Primary		+CPU	Intel	2nd Xeon E5-2609 4C 2.4GHz 10MB Cache processor upgrade	2
Primary		+RAM	IBM	8GB (1X8GB) DDR3-1333 DIMM	8
Primary		+Network	IBM	2x1Gbit Ethernet ports 2x10Gbit FC ports	2
Primary		+Network	IBM	ETHERNET CONNECTIVITY	2
Primary		+HD	IBM	IBM 300GB 15K 6GBPS SAS 2.5" HD	4

Primary	Blade	+AntiVirus	Symantec	Symantec Endpoint Protection v12.1.2 (w/ 1-year Essential Support - 100 Seats)	2
Primary		+Software	Microsoft	Microsoft Exchange Server 2010 Enterprise Edition - License - 1 server	2
Primary		+OS	Microsoft	Windows Server Standard 2012	2
Primary		+Software	Zabbix	Zabbix client	2
Primary		+Warranty	IBM	IBM 3yr 24x7x4	2
Primary	Archive Server	Core	IBM	x3550 M4 7914 - Xeon E5-2609 4C/2.4 GHz, 10MB Cache w/ 8GB RAM	2
Primary		+RAM	IBM	8GB (1x8GB) DDR3-1333 DIMM	4
Primary		+HDD	IBM	IBM 300GB 15K 6GBPS SAS 2.5" HD	4
Primary		+Power	IBM	IBM 550W Power Supply	4
Primary		+Database	Oracle	11g RDMS Client License	2
Primary		+Software	Apache	Apache Web Server	2
Primary		+OS	CentOS	CentOS	2
Primary		+AntiVirus	Sophos	Sophos Endpoint Protection Advanced (3-year, 1-user, and 200-499 licenses)	2
Primary		+Software	Zabbix	Zabbix client	2
Primary		+Warranty	IBM	3 Year Essential Support 24x7 4 Hour Response	2
Primary	SAN Controller Head Unit (SFF)	+Controller	IBM	IBM Storwize V7000 SFF Dual Control Enclosure (2U)	1
Primary		+Cache	IBM	8GB Cache Upgrade	2
Primary		+FC	IBM	8Gb FC 4 Port Host Interface Card	2
Primary		+Interface	IBM	Redundant AC Power Supply	2
Primary		+HD	IBM	900GB 10K 6Gb SAS 2.5" HDD	24
Primary		+Service	IBM	Annual Maintenance	3
Primary		+Software	IBM	IBM Storwize V7000 Software V6 + 1 year maintenance	1
Primary		+Software	IBM	Plus 2 more years of license and maintenance fee	1
Primary	SAN Expansion (LFF)	+Expansion	IBM	IBM Storwize V7000 LFF Expansion Enclosure (2U)	5
Primary		+HD	IBM	2TB 7.2K 6Gb SAS NL 3.5" HDD	54
Primary		+Cable	IBM	1 m 6 Gb/s external mini SAS	10
Primary		+Service	IBM	Annual Maintenance	10

ATTACHMENT II

ADDENDUM A

Primary		+Software	IBM	IBM Storwize V7000 Software V6 + 1 year maintenance	5
Primary		+Software	IBM	Plus 2 more years of license and maintenance fee	5
Primary		Core	IBM	x3550 M4 7914 - Xeon E5-2609 4C/2.4 GHz,	1
Primary		+RAM	IBM	8GB (1x8GB) DDR3-1333 DIMM	2
Primary		+HDD	IBM	IBM 600GB 10K 6GBPS SAS 2.5" HD	2
Primary		+Power	IBM	IBM 550W Power Supply	2
Primary		+Fiber	IBM	QLogic 4Gb FC Single-Port PCIe HBA	1
Primary		+AntiVirus	Symantec	Symantec Endpoint Protection v12.1.2 (w/ 1-year Essential Support - 100 Seats)	1
Primary	System Management Server (Backup and Configuration Management)	+Software	Microsoft or PointDev	System Management Center 2012 DataCenter (server + Client + 3year support)	1
Primary		+Software	CommVault	CommVault Backup software	1
Primary		+OS	Microsoft	Windows Server Standard 2012	1
Primary		+Software	Zabbix	Zabbix client	1
Primary		+Warranty	IBM	3 Year Essential Support 24x7 4 Hour Response	1
Primary		+Storage Appliance	Overland	Overland VTL - 24TB appliance	1
Primary		+Fibre Channel Adaptor upgrade	Overland	Dual 4GB FC HBA	1
Primary	Backup Storage (On-line Disk)	+HDD	Overland	HDD - E2000/4600, 2TB SATA ENT w/ Carrier, 4 Pack	12
Primary		+Warranty (for appliance)	Overland	3yr Overland Warranty	1
Primary		+Expansion Unit	Overland	SnapDisk E2000, 0-DRIVE	4
Primary		+Warranty (for expansion unit)	Overland	3yr Overland Warranty	4
Primary		+Storage	IBM	IBM TS3310 Tape Library LTO4 FC	1
Primary	Backup Storage (Off-line Tape)	+Storage	IBM	IBM TS3310 Full-High Tape Drive	4
Primary		+Storage	IBM	Redundant Power Option	1

ATTACHMENT II

ADDENDUM A

Primary	+Storage	IBM	IBM TS3310 Tape Library Expansion Unit	1
Primary	+Storage	IBM	LTO 5 Tape	80
Additional Components				
Primary	Core	Cisco	Cisco MDS 9124 24-Port Multilayer Fabric Switch	2
Primary	LAN Switch	Cisco	Catalyst 2960S 24-TS	4
Primary	Load Balancer	Kemp	LM-2200 Load Balancer 4xGbE ports	2
Primary	Core	IBM	IBM 42U S2 Standard Rack	2
Primary	Console Display	IBM	IBM 1U KVM 17" Console Display	2
Primary	Console Display	IBM	IBM 1U KVM 17" Console Display Rack Mount Kit	2
Additional Components				
Primary	KVM Switch Extender	IBM	KVM Extender / USB Conversion (4xcables for 4 rack-mountable servers)	4
Primary	KVM Switch	IBM	2x8 (16-port) Console Switch KVM Switch	2
Primary	PDU	IBM	Power Distribution Units	8
Primary	UPS	IBM	IBM 3000 VA LCD 3U Rack UPS - 3U	1

ADDENDUM B

Site	Component	Item	Mfg	Version / Description	Qty
DR Site		Core	IBM	IBM Power 730 Express Server 2x Power7+ / 4.3GHz 4-Core CPU (w/	2
DR Site		+RAM	Intel	8GB (2X4GB) MEMORY DIMMS, 1066 MHZ, 2GB DDR3 DRAM	16
DR Site		+Riser Card	IBM	MEMORY RISER CARD	6
DR Site		+HD	IBM	600GB 10K RPM SAS SFF DISK DRIVE (AIX/LINUX)	4
DR Site		+Storage	IBM	STORAGE BACKPLANE -- 3 SFF DRIVES/SATA DVD/HH TAPE	2
DR Site		+Power	IBM	Redundant Power Option (1925W)	4
DR Site		+Ethernet	IBM	PCIE2 LP 4-PORT 1GBE ADAPTR	4
DR Site		+Fiber	IBM	4 Gigabit PCI Express Dual Port Fibre Channel Adapter	4
DR Site		+CD/DVD	IBM	DVD-RAM Drive	2
DR Site	AFIS Server (Clustered) 2U	+Software	Zabbix	Core 2.x License	1
DR Site		+AntiVirus	Sophos	Sophos Endpoint Protection Advanced (3-year, 1-user, and 200-499 licenses)	2
DR Site		+Database	Oracle	**Oracle 11g Standard Edition**	2
DR Site		+OS	IBM	PowerHA STANDARD ED 3YR REG	2
DR Site		+OS	IBM	PER PROC SM 3 YEAR REG	16
DR Site		+OS	IBM	PER PROC SM 3 YEAR 7X24	16
DR Site		+OS	IBM	SYSTEM PROGRAM ORDER	2
DR Site		+OS	IBM	MEDIA CHARGE	2
DR Site		+OS	IBM	AIX STANDARD EDITION V7.1	2
DR Site		+OS	IBM	AIX SEITION V7.1 PP SM US	16
DR Site		+OS	IBM	POWERHA SYSMIRROR STD ED V7	2
DR Site		+OS	IBM	POHA SYSMIRROR PPRC INC 1YSWMA	16
DR Site		+OS	IBM	SW MAINTENANCE FOR AIX,3 YEARS	2
DR Site		+OS	IBM	PER PROC SM P7 3 YR REG	16
DR Site		+OS	IBM	PER PROC SM P7 3 YR 7X24	16
DR Site		+Software	Zabbix	Zabbix client	2

ATTACHMENT II

ADDENDUM B

Primary Matcher (2/4/10 CR) TP

DR Site	Core	IBM	X3650 M4 (7915) 4C/2.4GHz - E5-2609, 10MB Cache w/ 8GB RAM	2
DR Site	+CPU	Intel	E5-2609 4C/2.4GHz Processor Upgrade	2
DR Site	Total RAM	IBM	16GB (1X16GB) DDR3-1333 DIMM	12
DR Site	+HD	IBM	IBM 300GB SSD	4
DR Site	+HD	IBM	IBM 300GB 15K 6GBPS SAS 2.5" SLIM SFF HD	4
DR Site	+Riser Card	IBM	PCIX Riser Card 1 (1 x16 FH/HL PCIe + 2 PCIX FH/FL Slots)	2
DR Site	+Power	IBM	IBM 550W Power Supply	4
DR Site	+OS	Novell	SLES	2
DR Site	+AntiVirus	Sophos	Sophos Endpoint Protection Advanced (3-year, 1-user, and 200-499 licenses)	2
DR Site	+Software	Zabbix	Zabbix client	2
DR Site	+Warranty	IBM	IBM 3yr 24x7x4	2

Primary Matcher (LT|PL|R|F|PP)

DR Site	Core	IBM	X3650 M4 (7915) 4C/2.4GHz - E5-2609, 10MB Cache w/ 8GB RAM	4
DR Site	+CPU	Intel	E5-2609 4C/2.4GHz Processor Upgrade	4
DR Site	Total RAM	IBM	16GB (1X16GB) DDR3-1333 DIMM	32
DR Site	+HD	IBM	IBM 300GB SSD	8
DR Site	+HD	IBM	IBM 300GB 15K 6GBPS SAS 2.5" SLIM SFF HD	8
DR Site	+Riser Card	IBM	PCIX Riser Card 1 (1 x16 FH/HL PCIe + 2 PCIX FH/FL Slots)	4
DR Site	+Power	IBM	IBM 550W Power Supply	8
DR Site	+OS	Novell	SLES	4
DR Site	+AntiVirus	Sophos	Sophos Endpoint Protection Advanced (3-year, 1-user, and 200-499 licenses)	2
DR Site	+Software	Zabbix	Zabbix client	4
DR Site	+Warranty	IBM	IBM 3yr 24x7x4	4

DR Site	Core	IBM	BLADE CENTER H	1
DR Site	+Power	IBM	IBM BLADECENTER H 2980W AC POWER MODULE W/FAN PACK	1
DR Site	+Network	IBM	Cisco Catalyst Switch Module 3110G for IBM BladeCenter	1

Site	Mfr	Group	Component	Description	Qty
DR Site	IBM	Blade Chassis	+Network	MULTI-SWITCH INTERCONMODULE BC	1
DR Site	IBM		+Network	BNT LAYER 2/3COPP.GBE SW.MODBC	1
DR Site	IBM		+Network	BROCADE 10-PORT 8GB SAN SWITCH MODULE FOR IBM BLADECENTER	1
DR Site	IBM		+Network	BROCADE 8GB SFP+ SW OPTICAL TRANSCEIVER	2
DR Site	IBM		+Network	IBM BladeCenter KVM/Advanced Management Module	1
DR Site	IBM		+Power	Enhanced Cooling Modules	1
DR Site	IBM		+CD/DVD	IBM UltraSlim Enhanced SATA Multi-Burner	1
DR Site	IBM		+Cable	2.8M, 200-240V, TRIPLE 16A IEC 320-C20 POWER CABLE	2
DR Site	IBM		+Cable	5M FIBER OPTIC CABLE LC-LC	2
DR Site	IBM		+Warranty	IBM 3yr 24x7x4	1
DR Site	IBM	Secondary Matcher Blade	Core	IBM BLADECENTER HS23 Xeon E5-2630 6C 2.3GHz 15MB Cache	6
DR Site	Intel		+CPU	2nd Xeon E5-2630 6C 2.3GHz 15MB Cache processor upgrade	6
DR Site	IBM		+RAM	8GB (1x8GB) DDR3-1600 DIMM	12
DR Site	IBM		+Network	2x1Gbit Ethernet ports 2x10Gbit FC ports	6
DR Site	IBM		+Network	ETHERNET CONNECTIVITY	6
DR Site	IBM		+HD	IBM 146GB 15K 6GBPS SAS 3.5" HD OPTION	12
DR Site	CentOS		+OS	CentOS	6
DR Site	Sophos		+AntiVirus	Sophos Endpoint Protection Advanced (3-year, 1-user, and 200-499 licenses)	2
DR Site	Zabbix		+Software	Zabbix client	6
DR Site	IBM		+Warranty	IBM 3yr 24x7x4	6
DR Site	IBM		Core	IBM BLADECENTER HS23 Xeon E5-2630 6C 2.3GHz 15MB Cache	2
DR Site	Intel		+CPU	2nd Xeon E5-2630 6C 2.3GHz 15MB Cache processor upgrade	2
DR Site	IBM		+RAM	8GB (1X8GB) DDR3-1333 DIMM	8
DR Site	IBM		+Network	2x1Gbit Ethernet ports 2x10Gbit FC ports	2

ATTACHMENT II

ADDENDUM B

Workflow Server Blade

Site	Component	Vendor	Description	Qty
DR Site	+Network	IBM	ETHERNET CONNECTIVITY	2
DR Site	+HD	IBM	IBM 300GB 15K 6GBPS SAS 2.5" HD	4
DR Site	+Fiber	IBM	QLOGIC 4GB FC CH. EXP CARD	4
DR Site	+Database	Oracle	11g RDMS Client License	2
DR Site	+OS	CentOS	CentOS	2
DR Site	+AntiVirus	Sophos	Sophos Endpoint Protection Advanced (3-year, 1-user, and 200-499 licenses)	2
DR Site	+Software	Zabbix	Zabbix client	2
DR Site	+Warranty	IBM	IBM 3yr 24x7x4	2

Image Encoder Blade

Site	Component	Vendor	Description	Qty
DR Site	Core	IBM	IBM BLADECENTER HS23 Xeon E5-2609 4C 2.4GHz 10MB Cache	2
DR Site	+CPU	Intel	2nd Xeon E5-2609 4C 2.4GHz 10MB Cache processor upgrade	2
DR Site	+RAM	IBM	8GB (1x8GB) DDR3-1600 DIMM	4
DR Site	+Network	IBM	2x1Gbit Ethernet ports 2x10Gbit FC ports	2
DR Site	+Network	IBM	ETHERNET CONNECTIVITY	2
DR Site	+HD	IBM	IBM 300GB 15K 6GBPS SAS 2.5" HD OPTION	4
DR Site	+OS	CentOS	CentOS	2
DR Site	+AntiVirus	Sophos	Sophos Endpoint Protection Advanced (3-year, 1-user, and 200-499 licenses)	2
DR Site	+Software	Zabbix	Zabbix client	2
DR Site	+Warranty	IBM	IBM 3yr 24x7x4	2

Web/Interface Server Blade

Site	Component	Vendor	Description	Qty
DR Site	Core	IBM	IBM BLADECENTER HS23 Xeon E5-2609 4C 2.4GHz 10MB Cache	2
DR Site	+CPU	Intel	2nd Xeon E5-2609 4C 2.4GHz 10MB Cache processor upgrade	2
DR Site	+RAM	IBM	8GB (1X8GB) DDR3-1333 DIMM	8
DR Site	+Network	IBM	2x1Gbit Ethernet ports 2x10Gbit FC ports	2
DR Site	+Network	IBM	ETHERNET CONNECTIVITY	2
DR Site	+HD	IBM	IBM 300GB 15K 6GBPS SAS 2.5" HD	4
DR Site	+AntiVirus	Symantec	Symantec Endpoint Protection v12.1.2 (w/ 1-year Essential Support - 100 Seats)	2
DR Site	+Software	Apache	Apache Web Server	2
DR Site	+Software	Microsoft	Web Server (IIS)	2

ATTACHMENT II

ADDENDUM B

Site	Server	Component	Vendor	Description	Qty
DR Site		+OS	Microsoft	Windows Server Standard 2012	2
DR Site		+Software	Zabbix	Zabbix client	2
DR Site		+Warranty	IBM	IBM 3yr 24x7x4	2
DR Site		Core	IBM	IBM BLADECENTER HS23 Xeon E5-2609 4C 2.4GHz 10MB Cache	2
DR Site		+CPU	Intel	2nd Xeon E5-2609 4C 2.4GHz 10MB Cache processor upgrade	2
DR Site	Email Server (Clustered) Blade	+RAM	IBM	8GB (1X8GB) DDR3-1333 DIMM	8
DR Site		+Network	IBM	2x1Gbit Ethernet ports 2x10Gbit FC ports	2
DR Site		+Network	IBM	ETHERNET CONNECTIVITY	2
DR Site		+HD	IBM	IBM 300GB 15K 6GBPS SAS 2.5" HD	4
DR Site		+AntiVirus	Symantec	Symantec Endpoint Protection v12.1.2 (w/ 1-year Essential Support - 100 Seats)	2
DR Site		+Software	Microsoft	Microsoft Exchange Server 2010 Enterprise Edition - License - 1 server	2
DR Site		+OS	Microsoft	Windows Server Standard 2012	2
DR Site		+Software	Zabbix	Zabbix client	2
DR Site		+Warranty	IBM	IBM 3yr 24x7x4	2
DR Site		Core	IBM	x3550 M4 7914 - Xeon E5-2609 4C/2.4 GHz, 10MB Cache w/ 8GB RAM	2
DR Site		+RAM	IBM	8GB (1x8GB) DDR3-1333 DIMM	4
DR Site		+HDD	IBM	IBM 300GB 15K 6GBPS SAS 2.5" HD	4
DR Site	Archive Server	+Power	IBM	IBM 550W Power Supply	4
DR Site		+Database	Oracle	11g RDMS Client License	2
DR Site		+Software	Apache	Apache Web Server	2
DR Site		+OS	CentOS	CentOS	2
DR Site		+AntiVirus	Sophos	Sophos Endpoint Protection Advanced (3-year, 1-user, and 200-499 licenses)	2
DR Site		+Software	Zabbix	Zabbix client	2
DR Site		+Warranty	IBM	3 Year Essential Support 24x7 4 Hour Response	2
DR Site		Core	IBM	x3550 M4 7914 - Xeon E5-2609 4C/2.4 GHz,	1

ATTACHMENT II

ADDENDUM B

Site	Category	Manufacturer	Description	Qty
DR Site	+RAM	IBM	8GB (1x8GB) DDR3-1333 DIMM	2
DR Site	+HDD	IBM	IBM 600GB 10K 6GBPS SAS 2.5" HD	2
DR Site	+Power	IBM	IBM 550W Power Supply	2
DR Site	+AntiVirus	Symantec	Symantec Endpoint Protection v12.1.2 (w/ 1-year Essential Support - 100 Seats)	1
System Management Server (Configuration Management)				
DR Site	+Software	Microsoft	System Management Center 2012 DataCenter (server + Client + 3year support)	1
DR Site	+OS	Microsoft	Windows Server Standard 2012	1
DR Site	+Software	Zabbix	Zabbix client	1
DR Site	+Warranty	IBM	3 Year Essential Support 24x7 4 Hour Response	1
DR Site	Core	Cisco	Cisco MDS 9124 24-Port Multilayer Fabric Switch	2
Additional Components				
DR Site	LAN Switch	Cisco	Catalyst 2960S 24-TS	4
DR Site	Load Balancer	Kemp	LM-2200 Load Balancer 4xGbE ports	2
DR Site	Core	IBM	IBM 42U S2 Standard Rack	2
DR Site	Console Display	IBM	IBM 1U KVM 17" Console Display	2
DR Site	Console Display	IBM	IBM 1U KVM 17" Console Display Rack Mount Kit	2
Additional Components				
DR Site	KVM Switch Extender	IBM	KVM Extender / USB Conversion (4xcables for 4 rack-mountable servers)	4
DR Site	KVM Switch	IBM	2x8 (16-port) Console Switch KVM Switch	2
DR Site	PDU	IBM	Power Distribution Units	8
DR Site	UPS	IBM	IBM 3000 VA LCD 3U Rack UPS - 3U	1

ADDENDUM C

INSTALLATION TIMELINE FOR AFIS HARDWARE REPLACEMENT

The following installation timeline is effective upon execution of Amendment Number 16 and shall be completed within 120 days from Amendment Number Sixteen effective date.

Contractor shall perform the following activities:

1. Process internal purchase orders and receive equipment — 30 to 45 days.
2. Build equipment in Pasadena and test equipment — 10 to 30 days.
3. Move equipment to the Norwalk site (we feel this site is most critical) — 2 days.
4. Reassembly equipment — 2 days.
5. Retest integration of the system, both with Norwalk and Pasadena — 5 days.
   a. During this period, all operations will be on the Pasadena site.
6. Monitor system for any outstanding issues — 7 days.
7. Establish that all systems are functioning as required — 1 day.
8. Begin work on Pasadena site
9. Move equipment from testing room to data center — 1 day.
10. Retest integration of the system both with Pasadena and Norwalk — 5 days
    a. During this period, all operations will be on the Norwalk site.
11. Monitor system for any outstanding issues.

If the Mass Storage component for the Norwalk site can be purchased, received, and tested earlier, 3M Cogent will work with LACRIS to install that equipment outside of this schedule. 3M Cogent can also discuss at that time the installation of the new backup system at the Norwalk facility.